



1/15

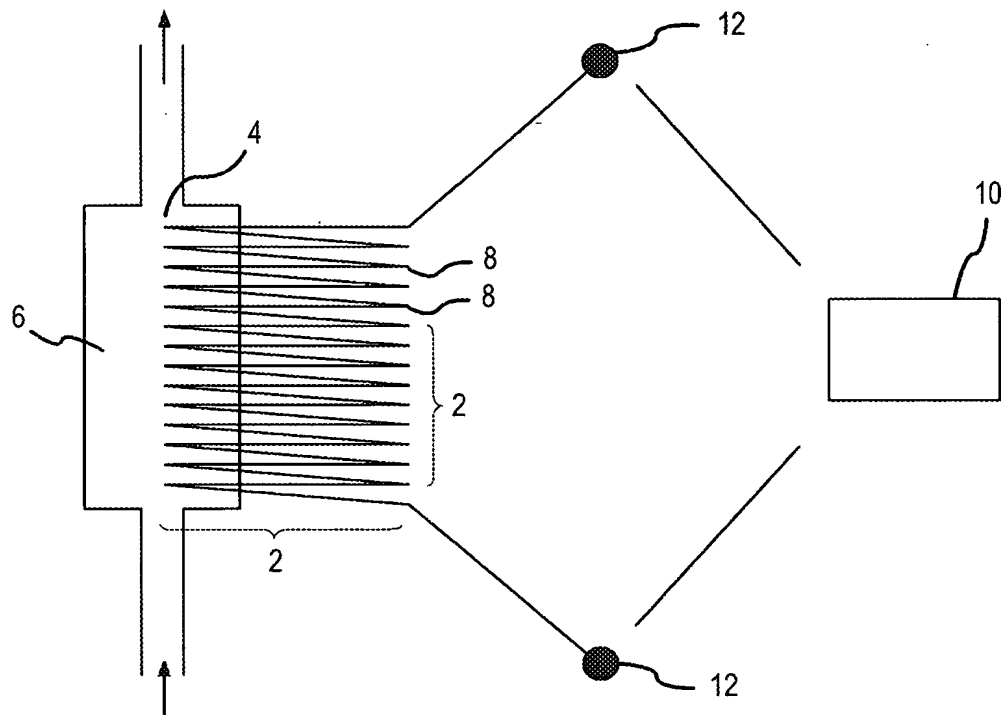
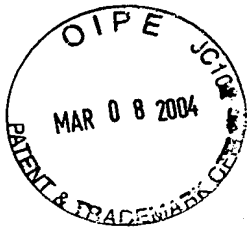


FIG.1



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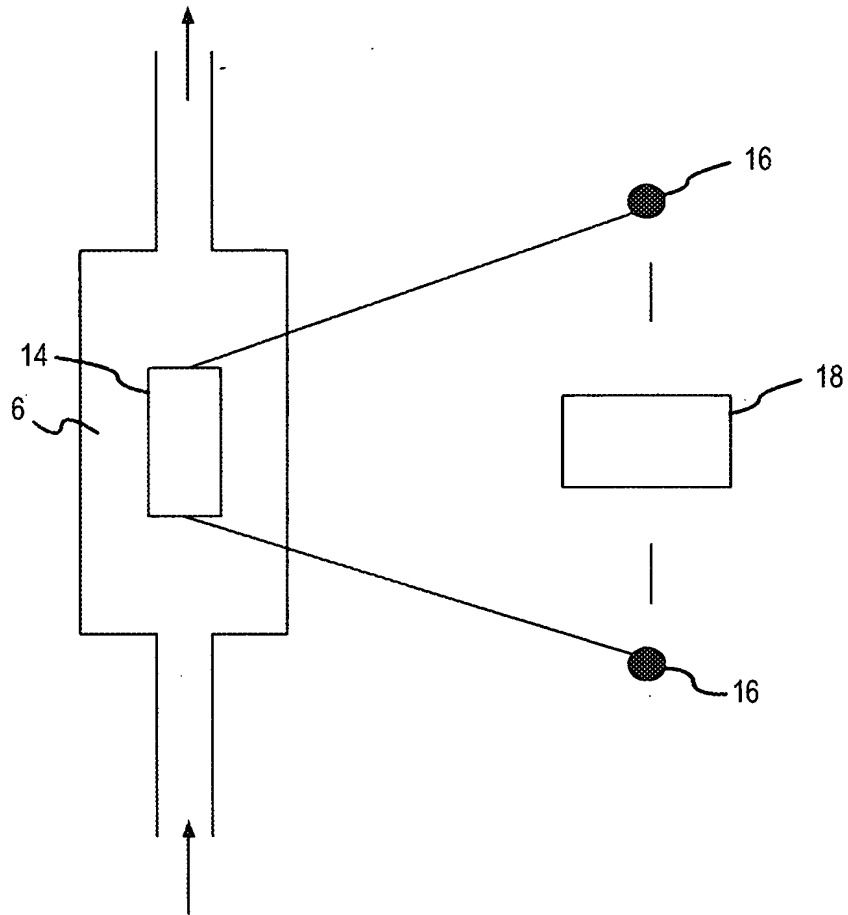


FIG.2



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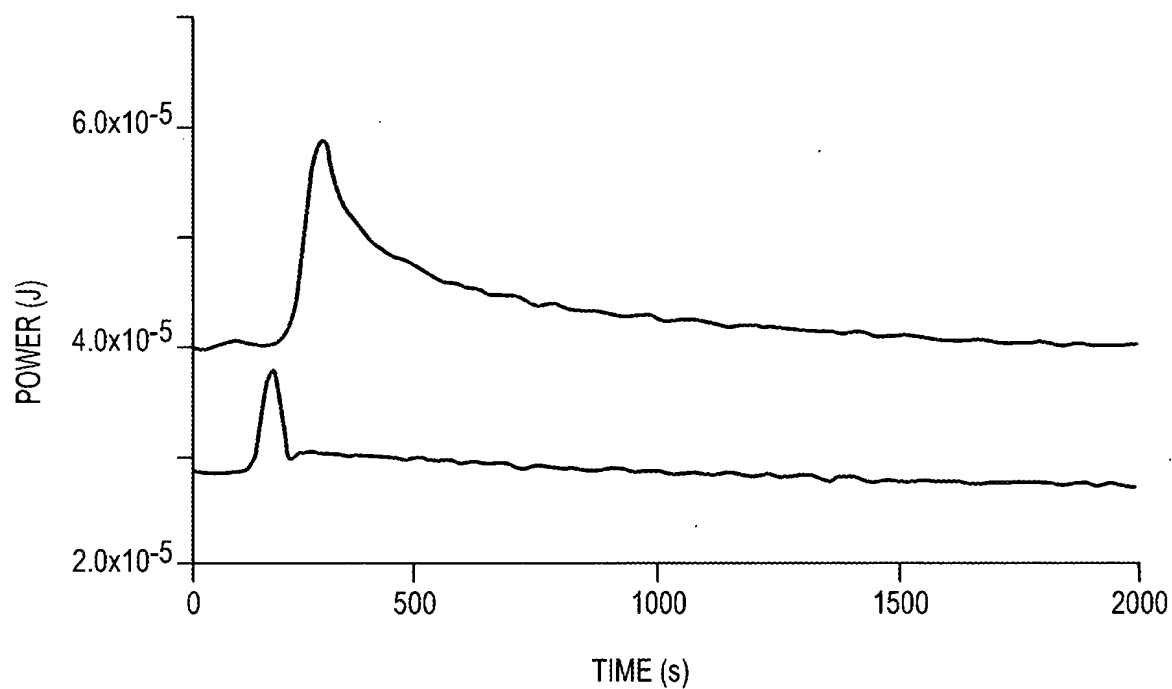


FIG.3



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5' PRIMER
3' TEMPLATE C G G T A A — 5'

dGTP
dCTP

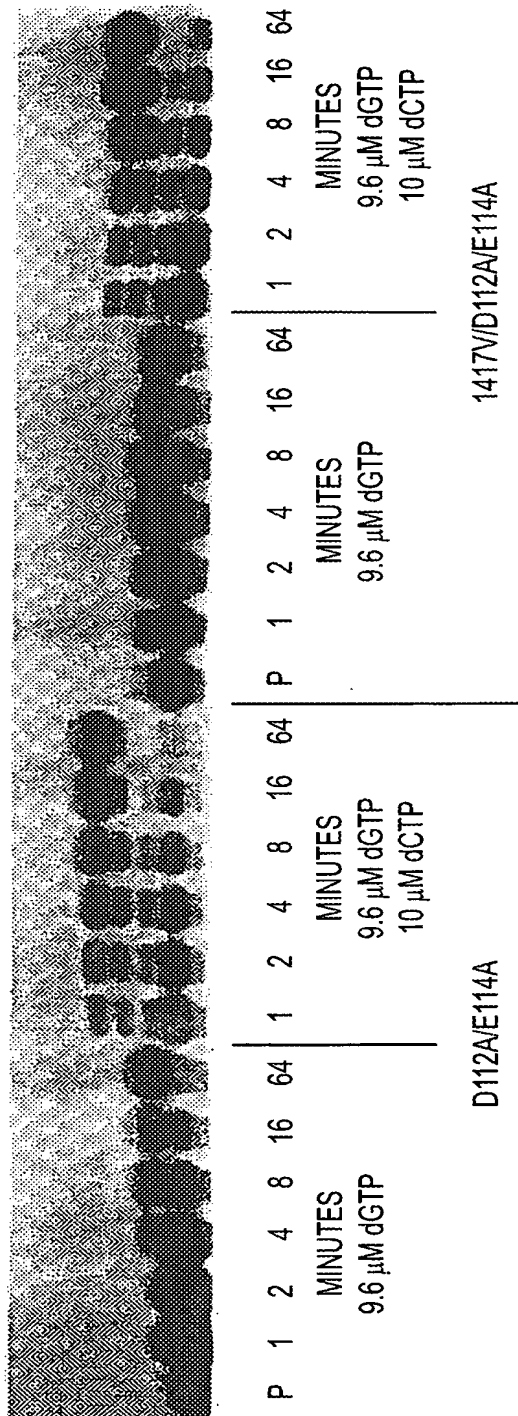


FIG.4



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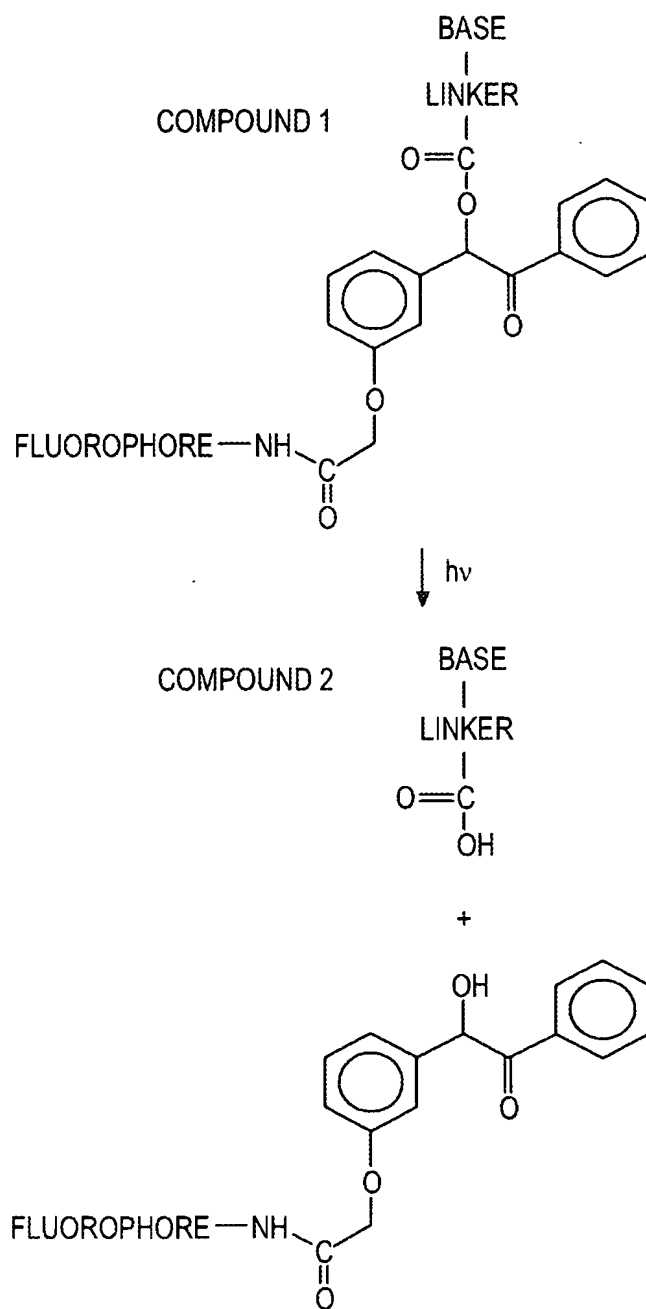
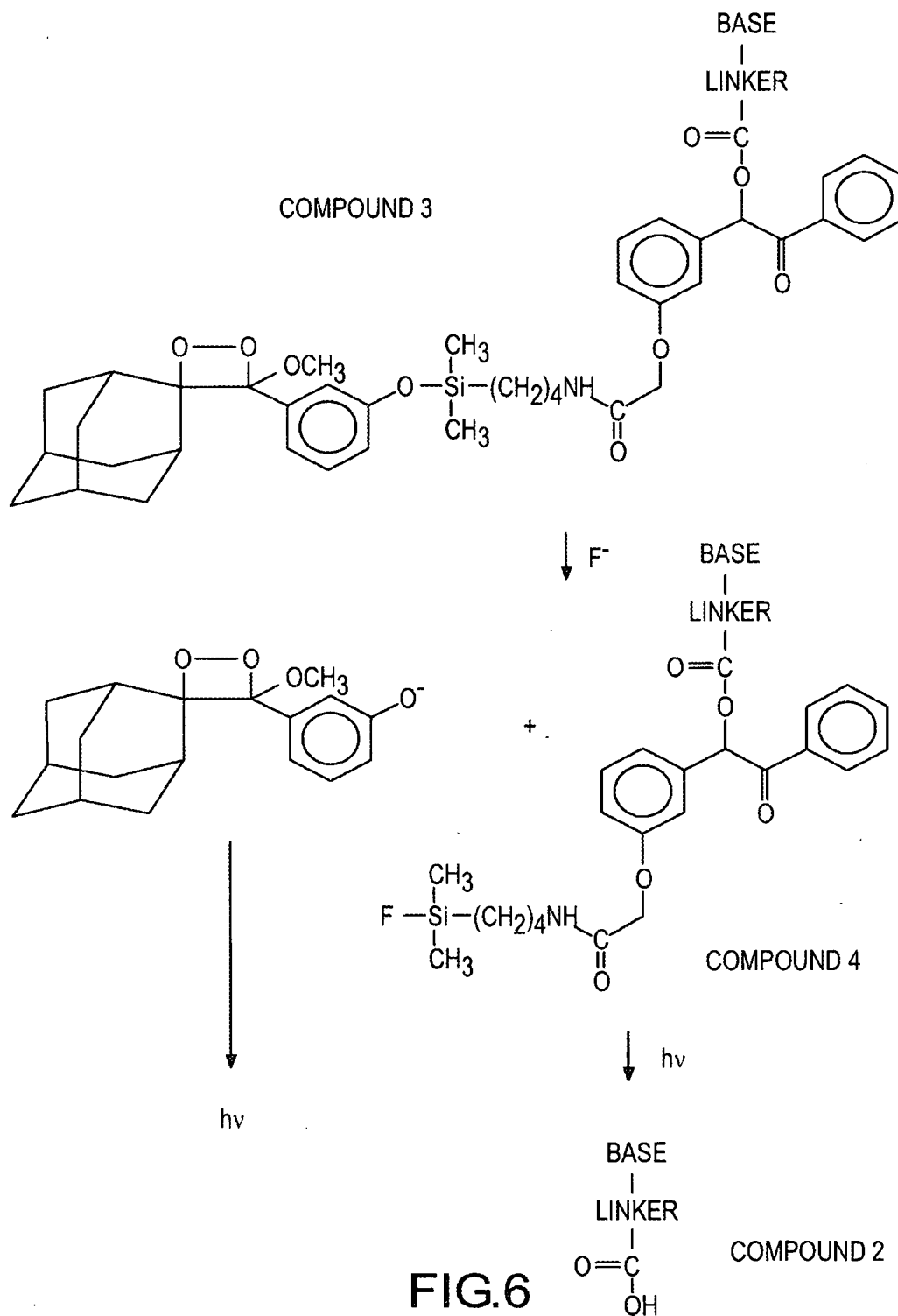


FIG.5



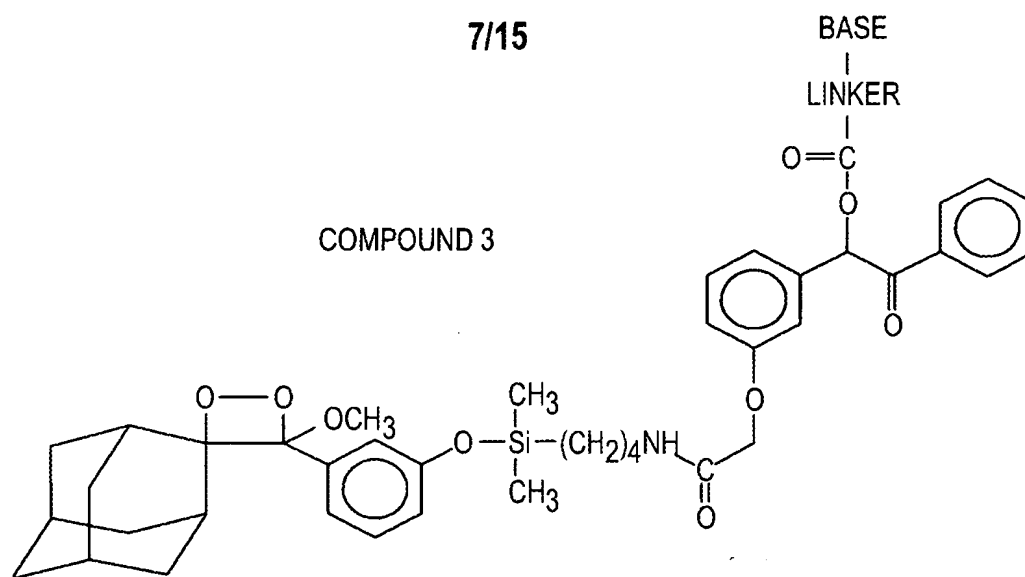
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COMPOUND 3



COMPOUND 5

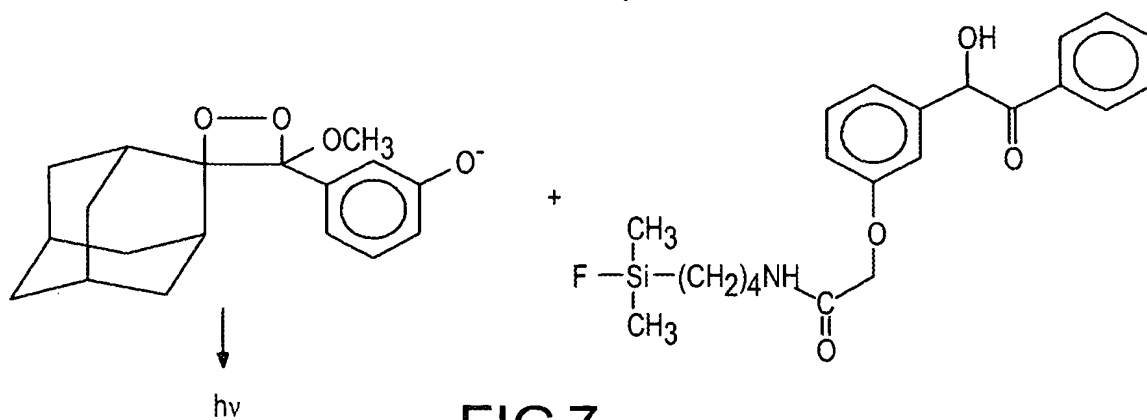
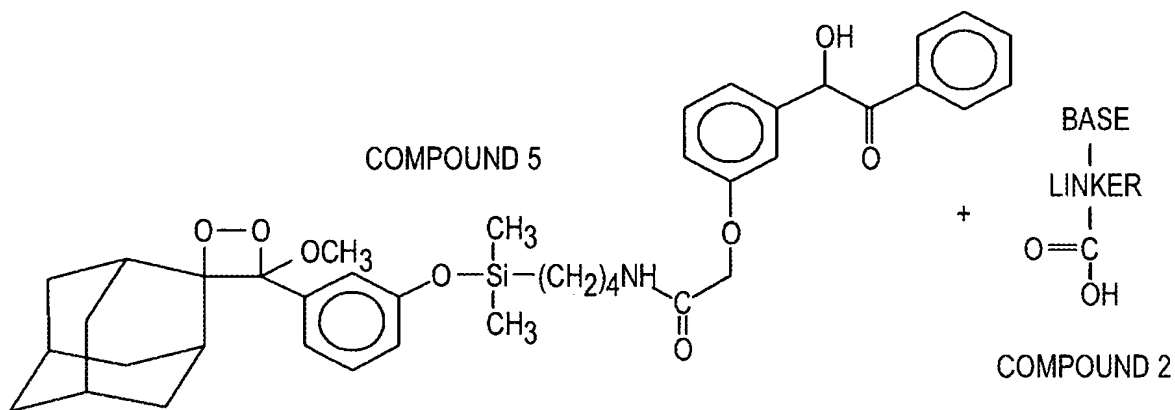


FIG.7



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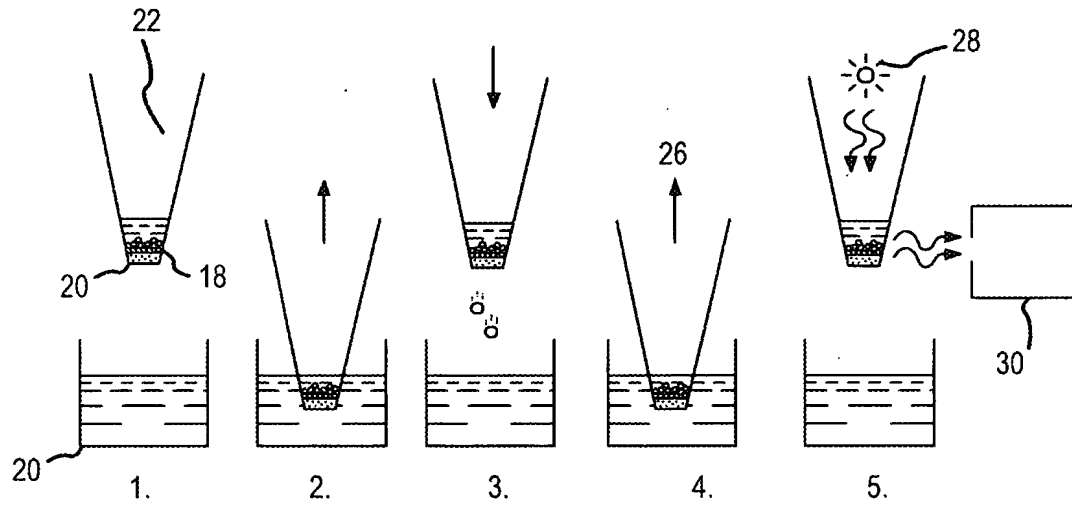


FIG. 8(a)

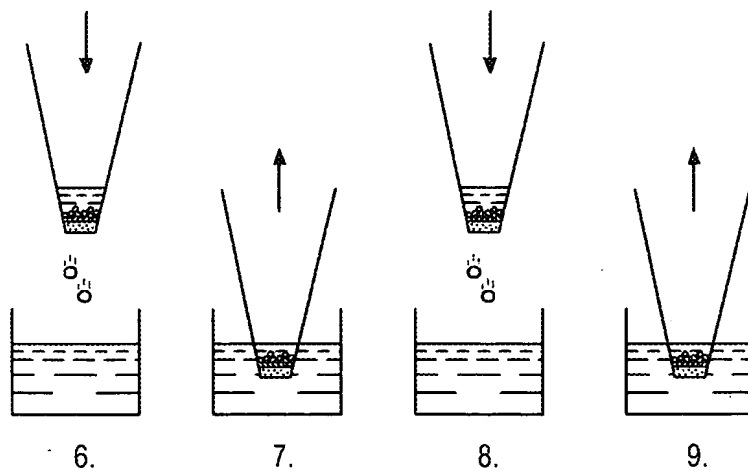
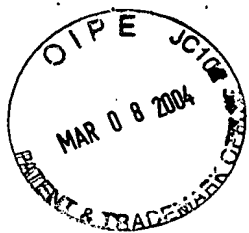


FIG. 8(b)



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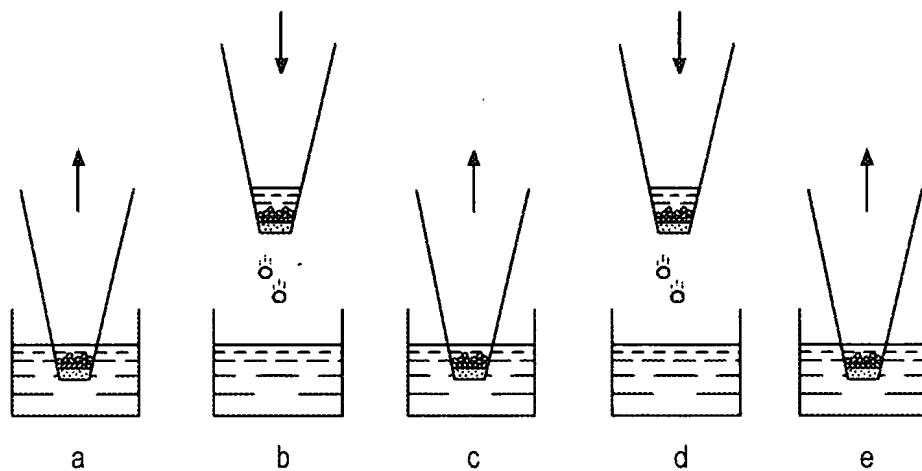
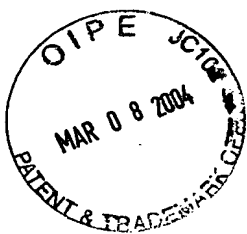


FIG.9



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MECHANISM OF PHOTBLEACHING OF FLUORESCIN BY DPI
(DIPHENYLIODONIUM ION)

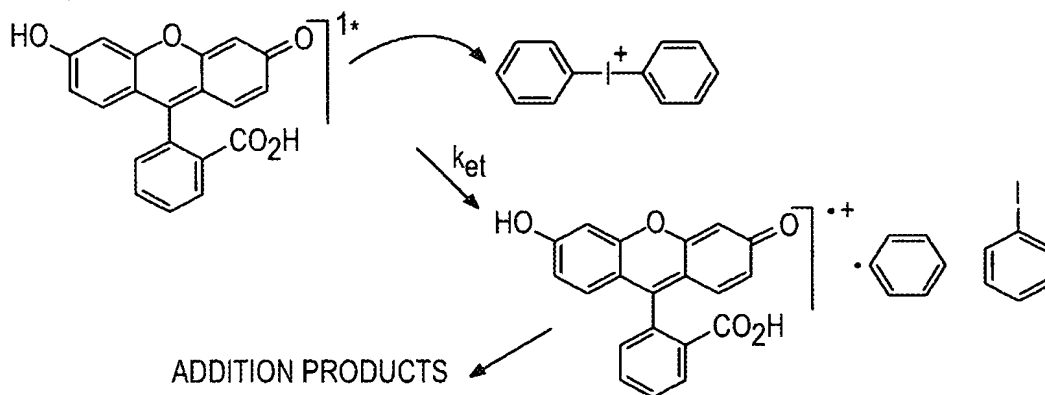
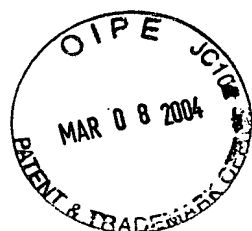
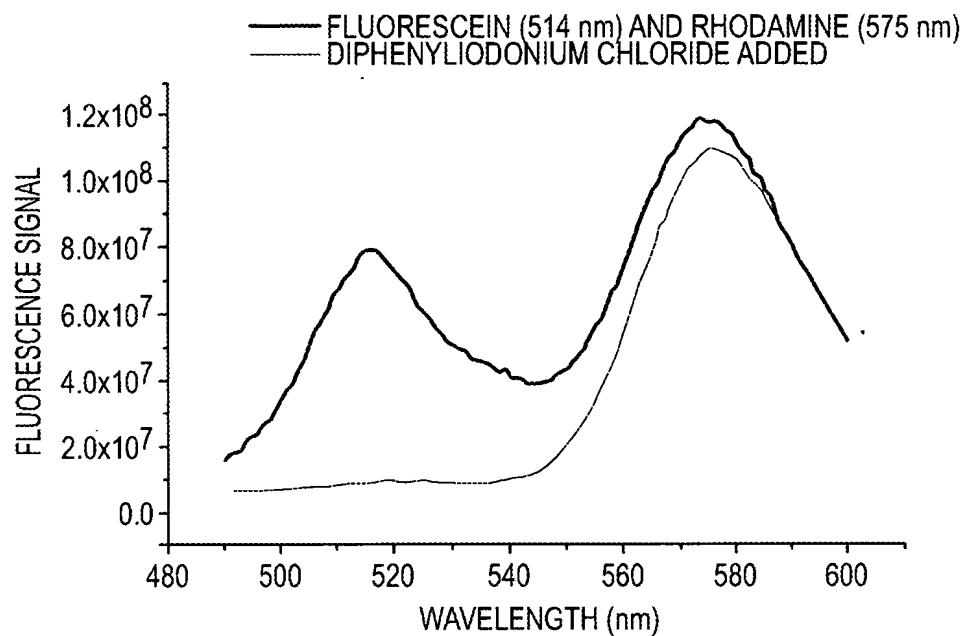


FIG.10



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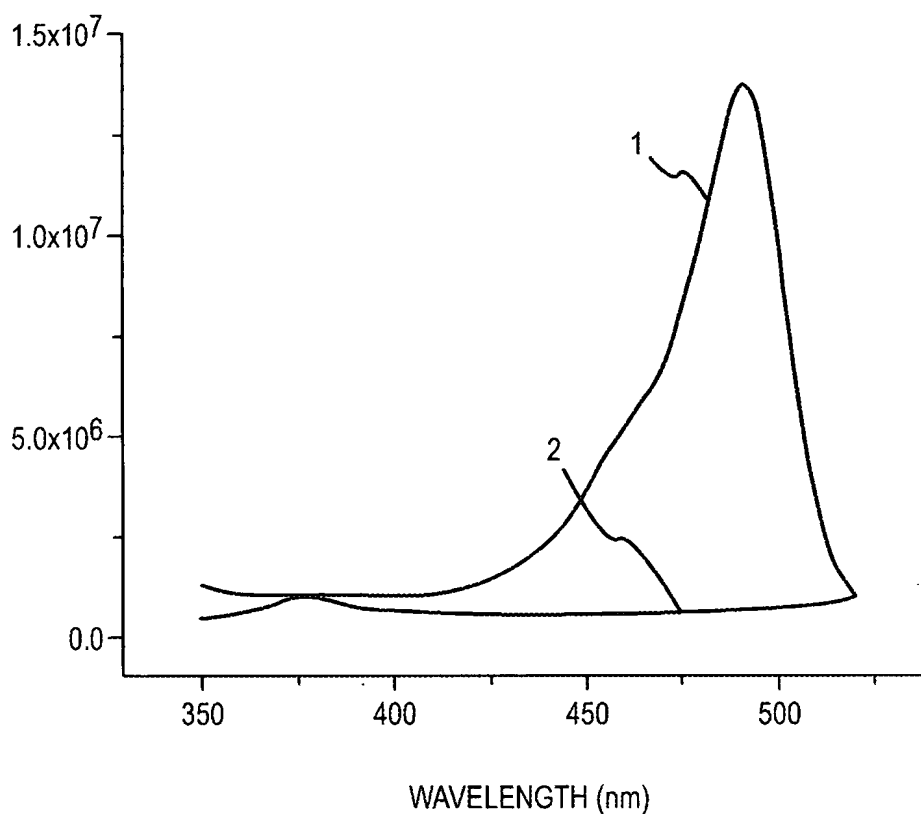


FLUORESCENCE SPECTRA OF EQUIMOLAR FLUORESCCEIN AND TETRA
METHYLRHODAMINE BEFORE AND AFTER ADDITION OF
DIPHENYLIODONIUM CHLORIDE

FIG.11



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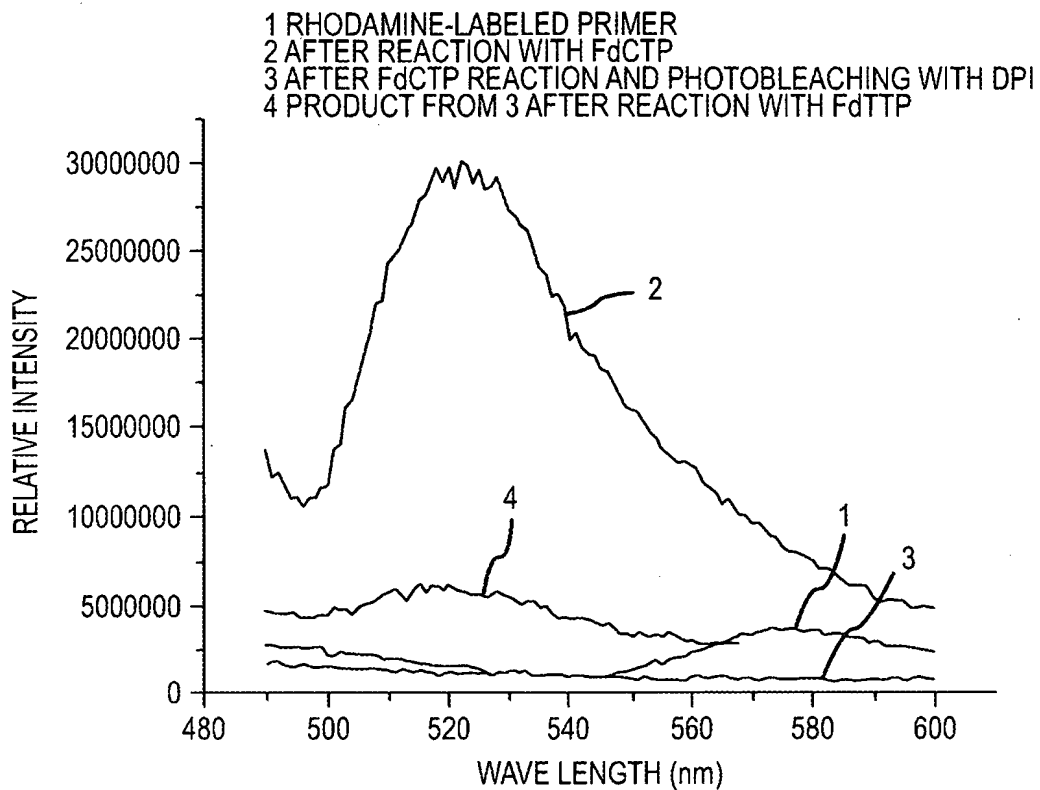


UV ABSORPTION SPECTRA: (1) FLUORESCIN (2) FLUORESCIN +
DPI AFTER SINGLE FLASH FROM CAMERA STROBE

FIG.12



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RESULTS OF SINGLE-NUCLEOTIDE POLYMERASE REACTION WITH DPI
PHOTBLEACHING BETWEEN INCORPORATIONS

FIG.13



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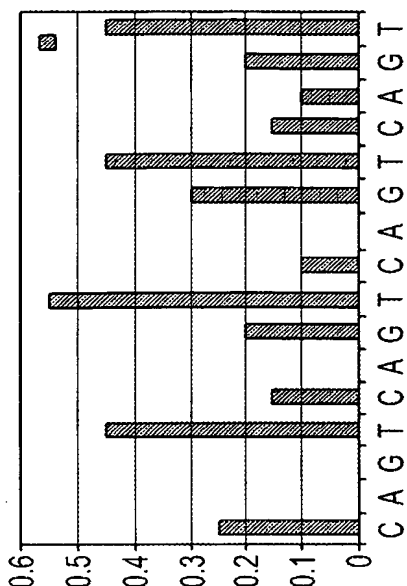


FIG.14B

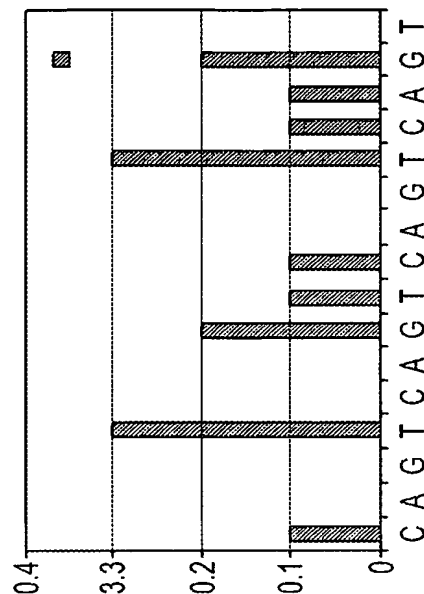


FIG.14D

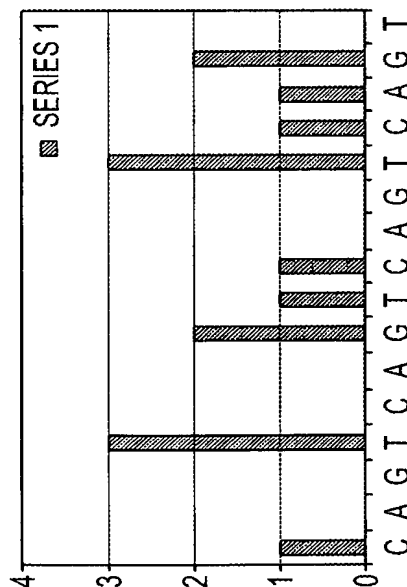


FIG.14A

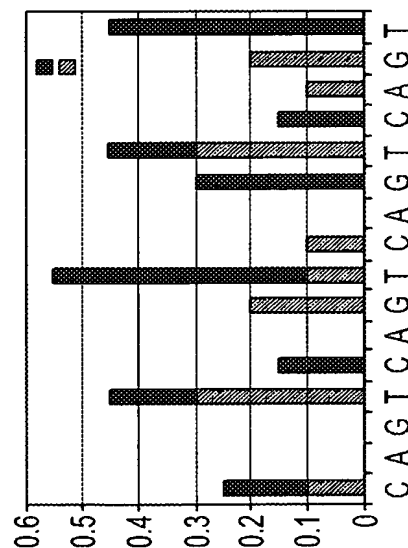
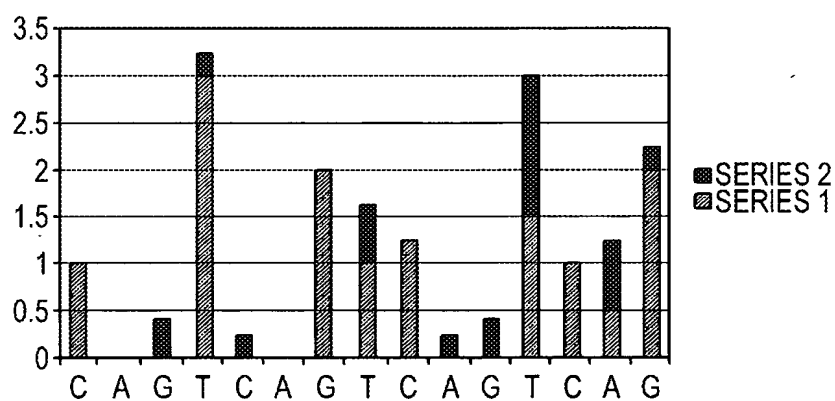


FIG.14C



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EFFECT OF A LEADING STRAND POPULATION ON
EXTENSION SIGNALS

FIG.15